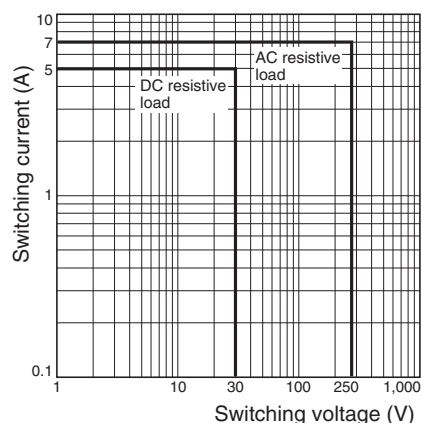
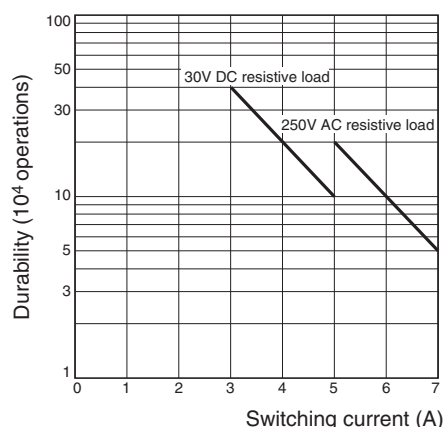


Engineering Data

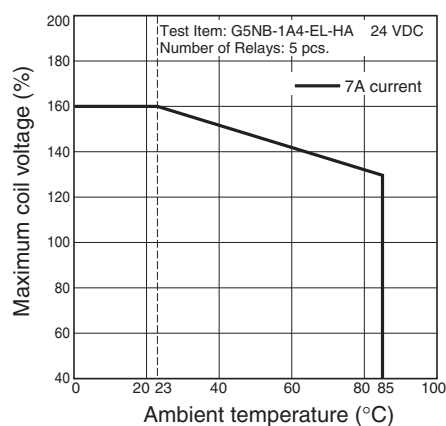
Maximum Switching Capacity



Durability

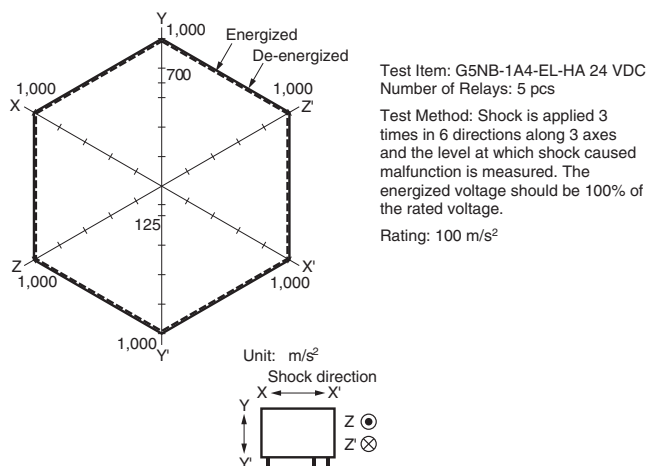


Ambient Temperature vs. Maximum Coil Voltage



Note: The maximum coil voltage refers to the maximum value in a varying range of operating power voltage, not a continuous voltage.

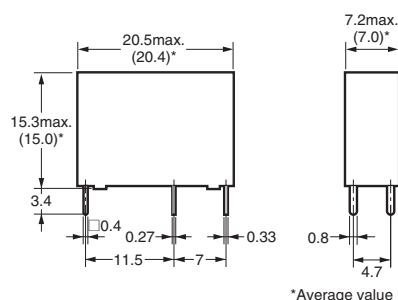
Shock malfunction



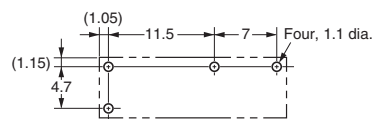
Dimensions

(Unit: mm)

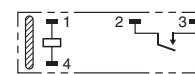
G5NB-1A4-EL-HA(-PW)
G5NB-1A-EL-HA-A85



PCB Mounting Holes
(Bottom View)
Tolerance: ± 0.1 mm



Terminal Arrangement/
Internal Connections
(Bottom View)



(No coil polarity)

■Approved Standards

The approval rating values for overseas standards are different from the performance values determined individually. Confirm the values before use.

- UL Recognized:  (File No. E41515)
- CSA Certified:  (File No. LR31928)

Model	Contact form	Coil ratings	Contact ratings	Number of test operations
G5NB-1A4-EL-HA(-PW) G5NB-1A-EL-HA-A85	SPST-NO (1a)	5 to 24V DC	7A 250V AC (General Purpose) 85°C	30,000
			5A 250V AC (General Purpose) 85°C	50,000
			5A 30V DC (Resistive) 85°C	6,000

- EN/IEC, VDE Certified  (Certificate No. 137575)

Model	Contact form	Coil ratings	Contact ratings	Number of test operations
G5NB-1A4-EL-HA(-PW) G5NB-1A-EL-HA-A85	SPST-NO (1a)	5, 12, 24V DC	7A 250V AC (Resistive) 85°C	10,000
			5A 30V DC (Resistive) 85°C	

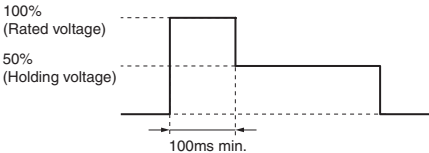
■Precautions

- Please refer to “PCB Relays Common Precautions” for correct use.

Correct Use

- Coil Voltage Reduction (Holding Voltage) after Relay operation

- If the coil voltage is reduced to the holding voltage after Relay operation, first apply the rated voltage to the coil for at least 100 ms, as shown below.
- A voltage of at least 50% of the rated voltage is required for the coil holding voltage. Do not allow voltage fluctuations to cause the coil holding voltage to fall below this level.



	Applied coil voltage	Coil resistance*	Power consumption
Rated voltage	100%	125Ω (5 VDC) 720Ω (12 VDC)	Approx.200 mW
Holding voltage	50%	2880Ω (24 VDC)	Approx.50 mW

* The coil resistance were measured at a coil temperature of 23°C with tolerances of ±10%.